

# Metallized Polypropylene Film Capacitor(Axial Lead) Snubber/Switching Application

## SLW

订购基本规格

### EXPLANATION OF ARTICLE CODE

S L W -	1 0 5	K	3 A	A	4 6	L	L
①	②	③	④	⑤	⑥	⑦	⑧

#### ① Capacitor Type

TYPE	SLW
CODE	SLW-

#### ② Rated Capacitance (EIA Code)

The rated Capacitance value of the product is indicated with three digits. The first two digits indicate the two most significant digits of the capacitance value, and the third digit gives the number of following zeroes. This gives the capacitance value expressed in picofarads.

Examples:

105	=	1,000,000pF	=	1,000nF	=	1uF
106	=	10,000,000pF	=	10,000nF	=	10uF

#### ③ Capacitance Tolerance

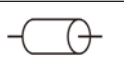
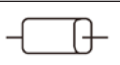
TOLERANCE	±5%	±10%	±20%
CODE	J	K	M

#### ④ Rated Voltage

Code for DC Voltage: (expressed in one digit & one letter code)

VOLTAGE	630V	700V	800V	850V	900V	1000V	1100V	1200V	1250V	1500V	1600V	1800V	2000V	2500V	3000V
CODE	2J	2S	SK	ST	SU	3A	3L	3M	3B	3N	3C	3Q	3D	3E	3F

#### ⑤ Lead Configuration

CODE	A	
LEAD TYPE		

#### ⑥ Length

Unit: mm

Lead Pitch	29.0	34.0	46.0	55.0	59.0
CODE	29	34	46	55	59

#### ⑦ Lead Forming Pitch

Lead Pitch	N/A
CODE	L

#### ⑧ Lead Length

Lead Pitch	N/A
CODE	L

# Metallized Polypropylene Film Capacitor(Axial Lead) Snubber/Switching Application

## SLW

High voltage and current adsorption capacitor consists of wound metallized polypropylene film and double sided metellized film in series winding, outer wrapt by polyester film tape and end sealed by epoxy resin. They are suitable for snubber, industrial and motor speed controls, SMPS, and medium-high pulse applications



### ■ APPLICATIONS

Energy Conversion.

Power Semiconductor Circuits.

IGBT Modules Protection.

### ■ FEATURES

High peak & RMS current capagility

Low loss polypropylene dielectric

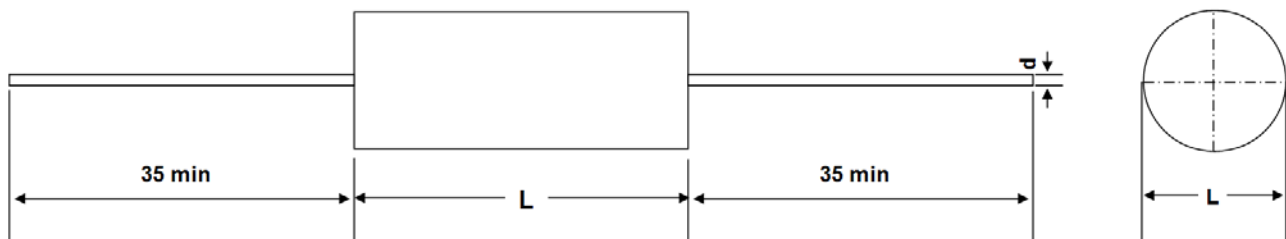
Self healing

Flame resistance case and resin

Multiple Lead Styles

### ■ SPECIFICATIONS

Operating Temperature:	-40°C - +85°C
Capacitance range:	0.0047μF - 6.8μF
Capacitance Tolerance:	±5%(J), ±10%(K) at 1KHz
Rated Voltage:	700VDC - 3000VDC
Dissipation Factor:	<0.06% at 1 kHz, 25 °c
Dielectric Withstand:	2.0 x rated voltage for 10 seconds (terminal to terminal)
Insulation Resistance:	30,000 MΩ min. after 1 minutes of electrification @ 100 Vdc & 25 °C
Life Expectancy:	100,000 hours at Ur and 70 °C
Self Inductance:	≤1nH/mm of body length and lead wire length.
Lead Terminations:	Tinned copper leads (RoHS compliant)



# Metallized Polypropylene Film Capacitor(Axial Lead) Snubber/Switching Application

## SLW

### ■ DIMENSIONS / 产品尺寸 :

SIZE R.V. CAP(μF)	700V D C						
	OD (mm)	L (mm)	d (mm)	dv/dt (v/us)	I peak (A)	Irms @100KHz +25°C (A)	ESR @100KHz +25°C mΩ
0.1	12.0	29.0	0.8	950	95	3.5	13
0.15	13.5	29.0	0.8	950	142.5	4.5	9.4
0.22	13.5	34.0	0.8	700	154	5.5	8.0
0.22	15.5	29.0	0.8	950	209	16.0	7.1
0.33	15.5	34.0	0.8	700	231	7.0	6.0
0.33	17.5	29.0	0.8	950	313.5	7.0	5.4
0.47	18.0	34.0	0.8	700	329	8.0	4.7
0.68	18.0	46.0	0.8	475	323	10.0	4.4
0.68	21.5	34.0	1.0	700	476	10.5	3.9
1.0	21.0	46.0	1.0	475	475	10.5	3.9
1.0	26.0	34.0	1.2	700	700	12.5	3.2
1.5	25.5	46.0	1.2	475	712.5	14.0	3.3
2.0	29.0	46.0	1.2	475	950	14.0	3.0
2.2	25.5	59	1.2	300	660	14.0	4.2
2.2	27.0	55.0	1.2	350	770	14.0	3.8
2.2	30.0	46.0	1.2	475	1045	14.0	2.9
2.5	27.5	59.0	1.2	300	750	14.0	3.9
2.5	29.0	55.0	1.2	350	875	14.0	3.5
2.5	32.0	46.0	1.2	475	1187.5	14.0	2.8
3.0	29.5	59.0	1.2	300	900	14.0	3.6
3.0	31.0	55.0	1.2	350	1050	14.0	2.6
3.0	35.0	46.0	1.2	475	1425	14.0	2.6
3.3	30.5	59.0	1.2	300	990	14.0	3.5
3.3	32.0	55.0	1.2	350	1155	14.0	3.1
3.3	36.0	46.0	1.2	475	1567.5	14.0	2.5
4.0	33.0	59.0	1.2	300	1200	14.0	3.1
4.0	34.5	55.0	1.2	350	1400	14.0	2.8
4.7	35.5	59.0	1.2	300	1410	14.0	2.9
4.7	37.5	55.0	1.2	350	1645	14.0	2.6
5.6	38.5	59.0	1.2	300	1680	14.0	2.6
5.6	41.0	55.0	1.2	350	1960	14.0	2.3
6.8	42.0	59.0	1.2	300	2040	14.0	2.4

# Metallized Polypropylene Film Capacitor(Axial Lead) Snubber/Switching Application

## SLW

### ■ DIMENSIONS / 产品尺寸 :

SIZE R.V. CAP(μF)	850V D C						
	OD (mm)	L (mm)	d (mm)	dv/dt (v/us)	I peak (A)	I <sub>rms</sub> @100KHz +25°C (A)	ESR @100KHz +25°C mΩ
0.068	11.5	29.0	0.8	1200	81.6	3.5	13.9
0.1	11.0	34.0	0.8	900	90	4.0	11.5
0.1	13.0	29.0	0.8	1200	120	4.0	10.4
0.15	13.0	34.0	0.8	900	135	5.0	8.6
0.15	15.0	29.0	0.8	1200	180	5.5	7.2
0.22	15.0	34.0	0.8	900	198	6.5	6.6
0.22	17.5	29.0	0.8	1200	264	7.0	6.1
0.33	18.0	34.0	0.8	900	297	8.5	4.8
0.47	18.0	46.0	0.8	600	282	9.5	5.0
0.47	21.5	34.0	1.0	900	423	10.5	4.0
0.68	21.0	46.0	1.0	600	408	10.5	4.1
0.68	25.5	34.0	1.2	900	612	10.5	3.2
1.0	25.0	46.0	1.2	600	600	14.0	3.3
1.5	29.5	46.0	1.2	600	900	14.0	2.8
2.0	28.0	59.0	1.2	375	750	14.0	3.4
2.0	29.0	55.0	1.2	600	1200	14.0	3.4
2.0	33.5	46.0	1.2	425	850	14.0	3.0
2.2	29.5	59.0	1.2	375	825	14.0	3.2
2.2	30.5	55.0	1.2	425	935	14.0	2.8
2.2	35.0	46.0	1.2	600	1320	14.0	2.3
2.5	31.0	59.0	1.2	375	937.5	14.0	2.5
2.5	32.0	55.0	1.2	425	1062.5	14.0	2.2
2.5	36.5	46.0	1.2	425	1062.5	14.0	2.6
3.0	34.0	59.0	1.2	375	1125	14.0	2.8
3.0	36.0	55.0	1.2	425	1275	14.0	2.5
3.3	35.0	59.0	1.2	375	1237.5	14.0	2.7
3.3	37.0	55.0	1.2	425	1402.5	14.0	2.4
4.0	38.5	59.0	1.2	375	1500	14.0	2.6
4.0	40.5	55.0	1.2	425	1700	14.0	2.3
4.7	41.5	59.0	1.2	375	1762.5	14.0	2.4

# Metallized Polypropylene Film Capacitor(Axial Lead) Snubber/Switching Application

## SLW

### ■ DIMENSIONS / 产品尺寸：

SIZE R.V. CAP(μF)	1000 V D C						
	OD (mm)	L (mm)	d (mm)	dv/dt (v/us)	I peak (A)	Irms @100KHz +25°C (A)	ESR @100KHz +25°C mΩ
0.047	12.0	29.0	0.8				
0.068	12.5	29.0	0.8	1400	95.2	3.5	13.5
0.1	12.5	34.0	0.8	1050	105	4.5	11.0
0.1	14.5	29.0	0.8	1400	140	4.5	9.9
0.15	14.5	34.0	0.8	1050	157.5	6.0	8.2
0.15	17.0	29.0	0.8	1400	210	6.0	7.3
0.22	17.5	34.0	0.8	1050	231	7.5	5.9
0.33	17.0	46.0	0.8	680	224.4	9.0	5.9
0.33	20.5	34.0	1.0	1050	346.5	9.5	4.5
0.47	20.0	46.0	1.0	680	319.6	10.5	4.7
0.47	24.0	34.0	1.0	1050	493.5	10.5	3.8
0.68	23.5	46.0	1.0	680	462.4	10.5	4.0
1.0	28.0	46.0	1.2	680	680	14.0	3.2
1.5	28.0	59.0	1.2	425	637.5	14.0	3.6
1.5	29.5	55.0	1.2	475	712.5	14.0	3.2
1.5	33.5	46.0	1.2	680	1020	14.0	2.6
2.0	31.5	59.0	1.2	425	850	14.0	3.2
2.0	33.5	55.0	1.2	475	850	14.0	2.9
2.2	33.0	59.0	1.2	425	935	14.0	3.0
2.2	35.0	55.0	1.2	475	1045	14.0	2.7
3.0	38.0	59.0	1.2	425	1275	14.0	2.6
3.3	40.0	59.0	1.2	425	1402.5	14.0	2.5

# Metallized Polypropylene Film Capacitor(Axial Lead) Snubber/Switching Application

## SLW

### ■ DIMENSIONS / 产品尺寸 :

SIZE R.V. CAP(μF)	1200 V D C						
	OD (mm)	L (mm)	d (mm)	dv/dt (v/us)	I peak (A)	I <sub>rms</sub> @100KHz +25°C (A)	ESR @100KHz +25°C mΩ
0.047	10.5	34.0	0.8	1200	56.4	3.0	19.0
0.068	12.0	34.0	0.8	1200	81.6	3.5	14.3
0.068	13.5	29.0	0.8	1600	108.8	4.0	12.8
0.1	16.0	29.0	0.8	1600	160	5.0	9.7
0.1	14.0	34.0	0.8	1200	120	5.0	10.7
0.15	17.0	34.0	0.8	1200	180	6.5	7.7
0.22	19.5	34.0	1.0	1200	264	9.0	5.4
0.33	19.0	46.0	1.0	780	257.4	9.5	5.4
0.33	23.0	34.0	1.0	1200	396	10.5	4.5
0.47	22.0	46.0	1.0	780	366.6	10.5	4.8
0.68	26.5	46.0	1.2	780	530.4	13.5	3.9
1.0	25.5	59.0	1.2	350	350	14.0	4.5
1.0	27.0	55.0	1.2	550	550	14.0	4.0
1.0	32.0	46.0	1.2	780	780	14.0	3.4
1.2	28.0	59.0	1.2	500	600	14.0	3.8
1.2	29.5	55.0	1.2	550	660	14.0	3.4
1.2	34.5	46.0	1.2	780	936	14.0	3.0
1.5	28.0	59.0	1.2	500	750	14.0	3.8
1.5	29.5	55.0	1.2	550	825	14.0	3.4
1.5	34.5	46.0	1.2	780	1170	14.0	3.0
2.0	35.5	59.0	1.2	500	1000	14.0	2.9
2.0	37.5	55.0	1.2	550	1100	14.0	2.9
2.0	39.0	55.0	1.2	550	1100	14.0	2.9
2.2	37.0	59.0	1.2	500	1100	14.0	2.8
2.2	39.0	55.0	1.2	475	1045	14.0	2.8
2.5	39.0	59.0	1.2	500	1250	14.0	2.6
2.5	41.0	55.0	1.2	550	1375	14.0	2.3
3.0	42.0	59.0	1.2	500	1500	14.0	2.4

# Metallized Polypropylene Film Capacitor(Axial Lead) Snubber/Switching Application

## SLW

### ■ DIMENSIONS / 产品尺寸 :

SIZE R.V. CAP(μF)	1500 V D C						
	OD (mm)	L (mm)	d (mm)	dv/dt (v/us)	I peak (A)	I <sub>rms</sub> @100KHz +25°C (A)	ESR @100KHz +25°C mΩ
0.033	12.5	29.0	0.8	2000	66	3.0	22.0
0.047	14.0	29.0	0.8	2000	94	3.5	16.5
0.068	13.5	34.0	0.8	1500	102	4.0	13.8
0.068	16.0	29.0	0.8	1500	102	4.0	13.8
0.1	16.0	34.0	0.8	1500	150	5.5	9.6
0.15	19.5	34.0	1.0	1500	225	7.0	7.2
0.22	19.0	46.0	1.0	980	215.6	9.0	7.0
0.22	23.0	34.0	1.2	1500	330	9.5	5.3
0.33	23.0	46.0	1.2	980	323.4	10.5	5.3
0.47	27.0	46.0	1.2	980	460.6	13.5	4.3
0.68	31.5	46.0	1.2	980	666.4	14.0	3.7
1.0	31.5	55.0	1.2	675	675	14.0	3.7
1.0	30.5	59.0	1.2	625	625	14.0	4.2
1.0	37.0	46.0	1.2	980	980	14.0	3.2
1.2	33.5	59.0	1.2	625	750	14.0	3.7
1.2	35.5	55.0	1.2	675	810	14.0	3.4
1.5	37.0	59.0	1.2	625	937.5	14.0	3.2
1.5	40.0	55.0	1.2	675	1012.5	14.0	2.9
2.0	42.0	59.0	1.2	625	1250	14.0	2.8

### ■ DIMENSIONS / 产品尺寸 :

SIZE R.V. CAP(μF)	2000 V D C						
	OD (mm)	L (mm)	d (mm)	dv/dt (v/us)	I peak (A)	I <sub>rms</sub> @100KHz +25°C (A)	ESR @100KHz +25°C mΩ
0.015	11.0	29.0	0.8	2750	412.5	2.0	37.5
0.022	11.0	34.0	0.8	2000	44	2.5	33.5
0.022	12.5	29.0	0.8	2750	60.5	2.5	27.5
0.033	13.0	34.0	0.8	2000	66	3.5	23.8
0.033	14.5	29.0	0.8	2750	90.75	3.5	20.7
0.047	15.0	34.0	0.8	2000	94	4.5	16.8
0.047	16.5	29.0	0.8	2750	129.25	4.5	15.0
0.068	17.0	34.0	0.8	2000	136	5.5	11.8
0.1	20.0	34.0	1.0	2000	200	7.5	8.4
0.15	19.5	46.0	1.0	1250	187.5	9.0	8.3
0.15	24.0	34.0	1.0	2000	300	9.0	6.6
0.22	23.0	46.0	1.0	1250	275	10.0	6.0
0.33	27.5	46.5	1.2	1250	412.5	12.5	4.7
0.47	26.0	59.0	1.2	800	376	12.5	6.0
0.47	27.0	55.0	1.2	875	411.25	13.0	5.4
0.47	32.5	46.0	1.2	1250	587.5	14.0	3.9
0.56	28.5	59.0	1.2	800	448	14.0	5.0
0.56	29.5	55.0	1.2	875	490	14.0	4.5
0.56	35.0	46.0	1.2	1250	700	14.0	3.6
0.68	31.0	59.0	1.2	800	544	14.0	4.5
0.68	32.0	55.0	1.2	875	595	14.0	4.0
1.0	37.0	59.0	1.2	800	800	14.0	3.7
1.0	39.0	55.0	1.2	875	875	14.0	3.3
1.2	40.5	59.0	1.2	800	960	14.0	3.4

# Metallized Polypropylene Film Capacitor(Axial Lead) Snubber/Switching Application

## SLW

### ■ DIMENSIONS / 产品尺寸 :

SIZE R.V. CAP(μF)	2500 V D C						
	OD (mm)	L (mm)	d (mm)	dv/dt (v/us)	I peak (A)	I <sub>rms</sub> @100KHz +25°C (A)	ESR @100KHz +25°C mΩ
0.01	11.5	29.0	0.8	3900	39	1.5	52.0
0.01	13.5	29.0	0.8	3900	39	1.5	52.0
0.015	13.5	29.0	0.8	3900	58.5	2.5	37.0
0.022	13.0	34.0	0.8	2600	57.2	2.5	31.0
0.022	15.5	29.0	0.8	3900	85.8	3.0	27.0
0.033	15.0	34.0	0.8	2600	85.8	4.0	23.0
0.033	18.0	29.0	0.8	3900	128.7	4.0	20.0
0.047	17.0	34.0	0.8	2600	122.2	5.0	16.5
0.068	20.5	34.0	1.0	2600	176.8	6.5	11.5
0.1	19.5	46.0	1.0	1650	165	8.0	11.5
0.1	24.5	34.0	1.2	2600	260	8.5	8.0
0.15	23.5	46.0	1.0	1650	247.5	9.0	8.0
0.22	27.5	46.0	1.2	1650	363	11.5	5.9
0.33	27.5	59.0	1.2	925	305.25	13.0	6.0
0.33	28.5	55.0	1.2	1050	346.5	13.5	5.4
0.33	33.5	46.0	1.2	1650	544.5	14.0	4.5
0.47	32.0	59.0	1.2	925	434.75	14.0	4.9
0.47	33.5	55.0	1.2	1050	493.5	14.0	4.4
0.56	34.5	59.0	1.2	925	518	14.0	4.5
0.56	36.5	55.0	1.2	1050	588	14.0	4.0
0.68	38.0	59.0	1.2	925	629	14.0	4.1
0.68	40.0	55.0	1.2	1050	714	14.0	3.7
0.82	41.5	59.0	1.2	925	758.5	14.0	3.8

### ■ DIMENSIONS / 产品尺寸 :

SIZE R.V. CAP(μF)	3000 V D C						
	OD (mm)	L (mm)	d (mm)	dv/dt (v/us)	I peak (A)	I <sub>rms</sub> @100KHz +25°C (A)	ESR @100KHz +25°C mΩ
0.0047	11.0	29.0	0.8	5250	24.675	1.0	88.0
0.0068	10.5	34.0	0.8	3500	23.8	1.5	77.0
0.0068	12.5	29.0	0.8	5250	35.7	1.5	65.0
0.01	12.0	34.0	0.8	3500	35	2.0	54.5
0.01	14.5	29.0	0.8	5250	52.5	2.0	46.0
0.015	14.0	34.0	0.8	3500	52.5	3.0	38.5
0.015	16.5	29.0	0.8	5250	78.75	3.0	33.5
0.022	16.0	34.0	0.8	3500	77	4.0	27.0
0.033	19.0	34.0	1.0	3500	115.5	5.0	19.0
0.047	18.0	46.0	0.8	2000	94	6.0	17.8
0.047	22.5	34.0	1.0	3500	164.5	6.5	14.0
0.068	21.0	46.0	1.0	2000	136	8.0	12.8
0.1	25.0	46.0	1.2	2000	200	7.5	8.4
0.15	30.0	46.0	1.2	2000	300	12.0	6.8
0.22	29.0	59.0	1.2	1275	280.5	14.0	6.5
0.22	30.5	55.0	1.2	1450	319	14.0	5.9
0.22	36.0	46.0	1.2	2000	440	14.0	5.2
0.33	35.0	59.0	1.2	1275	420.75	14.0	5.4
0.33	37.0	55.0	1.2	1450	478.5	14.0	4.9
0.39	37.5	59.0	1.2	1275	497.25	14.0	4.9
0.39	40.0	55.0	1.2	1450	565.5	14.0	4.4
0.47	41.5	59.0	1.2	1275	599.25	14.0	4.5